| Ref<br># | Hits  | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|-------|--|---|---------------------|---------|------------------|
| S1       | 12587 | directed SAME graph  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/26 16:23 |
| S2       | 24948 | directed SAME graph\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/03 17:52 |
| S3       | 151   | S2 AND navigat\$5 SAME display\$5<br>SAME object\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/03 17:55 |
| S4       | 99    | S3 AND @ad<"20020220"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/03 19:28 |
| S5       | 2     | "6085188".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/03 18:30 |
| S6       | 0     | navigat\$5 SAME display\$3 SAME relation\$5 SAME object\$3 SAME (digraph "directed gtaph") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/13 17:46 |
| S7       | 0     | navigat\$5 SAME display\$3 SAME relation\$5 SAME object\$3 SAME (digraph "directed gtaph") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/13 17:46 |
| S8       | 25028 | directed SAME graph\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/13 17:47 |

| S9  | 152   | S8 AND navigat\$5 SAME display\$5 SAME object\$3     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/13 17:47 |
|-----|-------|--|---|----|----|------------------|
| S10 | 99    | S9 AND @ad<"20020220"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/13 17:47 |
| S11 | 99    | S10 AND navigat\$5                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/13 17:48 |
| S12 | 60    | S11 AND hierarch\$5                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:24 |
| S13 | 2     | S12 AND common ADJ node\$3                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/13 17:49 |
| S14 | 25060 | directed SAME graph\$3                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/23 16:51 |
| S15 | 152   | S14 AND navigat\$5 SAME display\$5<br>SAME object\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 16:24 |
| S16 | 99    | S15 AND @ad<"20020220"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/23 16:51 |

| S17 | 99    | S16 AND navigat\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/23 16:51 |
|-----|-------|--|---|----|----|------------------|
| S18 | 60    | S17 AND hierarch\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/23 16:51 |
| S19 | 40    | (US-5502764-\$ or US-5619571-\$ or US-5638443-\$ or US-5668419-\$ or US-5838319-\$ or US-5842218-\$ or US-5905498-\$ or US-5923328-\$ or US-5956715-\$ or US-6005571-\$ or US-6055515-\$ or US-6078324-\$ or US-6078327-\$ or US-6098072-\$ or US-6111579-\$ or US-6198480-\$ or US-6285366-\$ or US-6496842-\$). did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 14:27 |
| S20 | 4     | ("6073137" "6300957").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/25 10:52 |
| S21 | 25073 | directed SAME graph\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/25 15:37 |
| S22 | 152   | S21 AND navigat\$5 SAME display\$5<br>SAME object\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/25 15:37 |
| S23 | 9     | packebush.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 09:54 |

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|-----|-------|--|---|----|----|------------------|
| 524 | 25106 | directed SAME graph\$3                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 09:55 |
| S25 | 152   | S24 AND navigat\$5 SAME display\$5 SAME object\$3    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 09:55 |
| S26 | 8     | S25 AND (parent SAME child) ADJ node                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 16:24 |
| S27 | 25106 | directed SAME graph\$3                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 16:23 |
| S28 | 152   | S27 AND navigat\$5 SAME display\$5<br>SAME object\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 16:24 |
| S29 | 8     | S28 AND (parent SAME child) ADJ<br>node              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 16:25 |
| S30 | 2     | S29 AND (text\$5 SAME format\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 16:26 |
| 531 | 286   | (715/853-854).ccls. AND parent<br>SAME child\$5      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 19:04 |

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| S32 | 93  | (715/853-854).ccls. AND (parent SAME child\$5) ADJ node  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 19:04 |
| S33 | 92  | S32 AND display  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 19:05 |
| S34 | 14  | S32 AND directed ADJ graph\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 19:09 |
| S35 | 14  | S34 AND @ad<"20020220"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/26 19:10 |
| S37 | 20  | (US-5502764-\$ or US-5619571-\$ or US-5638443-\$ or US-5668419-\$ or US-5838319-\$ or US-5842218-\$ or US-5905498-\$ or US-5923328-\$ or US-5956715-\$ or US-6005571-\$ or US-6078327-\$ or US-6078324-\$ or US-6078327-\$ or US-6098072-\$ or US-6111579-\$ or US-6198480-\$ or US-6285366-\$ or US-6496842-\$). did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | ON | 2005/05/27 14:27 |
| S38 | 763 | 715/734-739.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:10 |
| S39 | 0   | S38 AND (common shared focus)<br>NEAR8 node SAME hierarchical AND<br>tree  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:22 |

| S40 | 0   | S38 AND ((common shared focus)<br>NEAR8 node SAME hierarchical AND<br>tree) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 10:58 |
|-----|-----|---|---|----|----|------------------|
| S41 | 0   | S38 AND ((focus) NEAR8 node<br>SAME hierarchical AND tree)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 10:58 |
| S43 | 3   | tree SAME subtree SAME focus<br>NEAR5 node AND relational                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 11:00 |
| S44 | 237 | 715/968-969.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:09 |
| S45 | 0   | S44 AND (common shared focus)<br>NEAR8 node SAME hierarchical AND<br>tree   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:23 |
| S46 | 153 | 715/713,802.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:10 |
| S47 | 0   | S46 AND (common shared focus)<br>NEAR8 node SAME hierarchical AND<br>tree   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:22 |
| S48 | 2   | S46 AND (common shared focus)<br>NEAR8 node SAME hierarch\$5 AND<br>tree    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:22 |

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| S49 | 4   | S38 AND (common shared focus)<br>NEAR8 node SAME hierarch\$5 AND<br>tree | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:24 |
| S50 | 1   | S44 AND (common shared focus) NEAR8 node SAME hierarch\$5 AND tree       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/05 12:23 |
| S51 | 46  | Hugh.in. AND 715/???.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/06 14:58 |
| S52 | 46  | Hugh.in. AND 715/???.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 15:26 |
| S53 | 38  | S52 AND (@RLAD<="20020220"<br>@ad<"20020220")                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 17:46 |
| S54 | 248 | tree SAME subtree SAME child\$5<br>SAME parent\$3                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 17:45 |
| S55 | 32  |  |   | OR | ON | 2005/06/07 17:59 |
| S56 | 19  | S55 AND (@RLAD<="20020220"<br>@ad<"20020220")                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:01 |

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| S57 | 9  | tree SAME child\$5 SAME parent\$3<br>SAME (focus central) ADJ node                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:08 |
| S58 | 8  | S57 AND (@RLAD<="20020220"<br>@ad<"20020220")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:09 |
| S59 | 28 | (focus central) ADJ node SAME<br>child\$5 SAME parent\$3                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:16 |
| S60 | 15 | S59 AND (@RLAD<="20020220"<br>@ad<"20020220")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:09 |
| S61 | 20 | S59 NOT S58  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:22 |
| S62 | 7  | S60 NOT S58  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:10 |
| S63 | 0  | (focus central) ADJ node SAME<br>child\$5 SAME parent\$3 SAME<br>display SAME partial ADJ tree | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/07 18:16 |
| S64 | 11 | tree SAME child\$5 SAME parent\$3<br>SAME (focus central) ADJ node                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:23 |

| S65 | 26766 | directed SAME graph\$3                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:24 |
|-----|-------|--|---|----|----|------------------|
| S66 | 161   | S65 AND navigat\$5 SAME display\$5<br>SAME object\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:24 |
| S67 | 102   | S66 AND @ad<"20020220"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:24 |
| S68 | 102   | S67 AND navigat\$5                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:24 |
| S69 | 63    | S68 AND hierarch\$5                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 19:24 |
| S70 | 4     | ("6073137" "6300957").PN.                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 20:24 |
| S71 | 5     | multitree\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 11:40 |
| S72 | 0     | multitree\$3 SAME (common focus)<br>NEAR3 node\$3    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 11:41 |

| S73 | 2 | "6560617".PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO; | OR | ON | 2006/03/01 13:51 |
|-----|---|---------------|--|----|----|------------------|
|     |   |               | DERWENT;<br>IBM_TDB                        |    |    |                  |